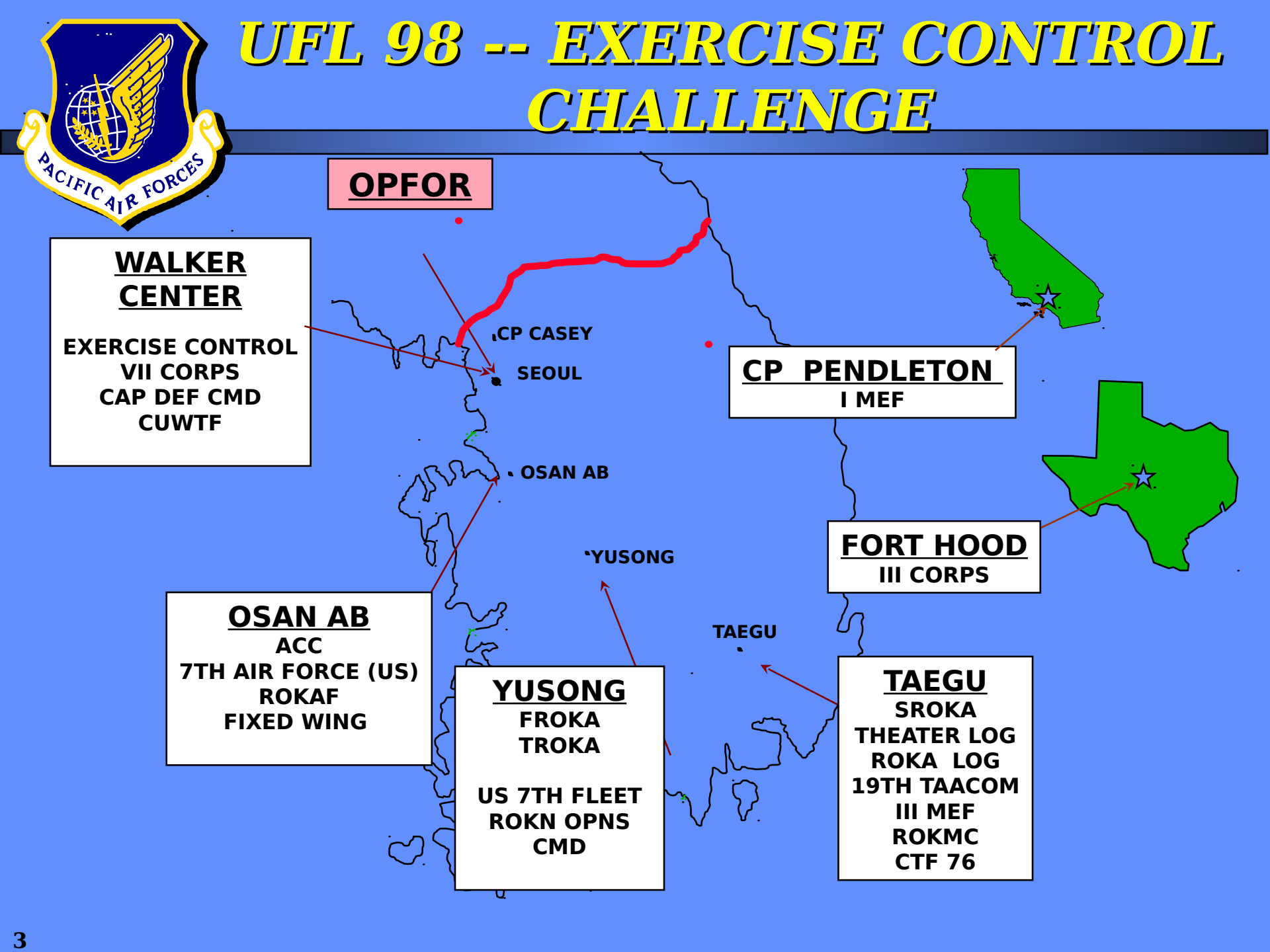
HQ PACIFIC AIR FORCES

EXERCISE CONTROL PROCESSES AND PROBLEMS

OVERVIEW

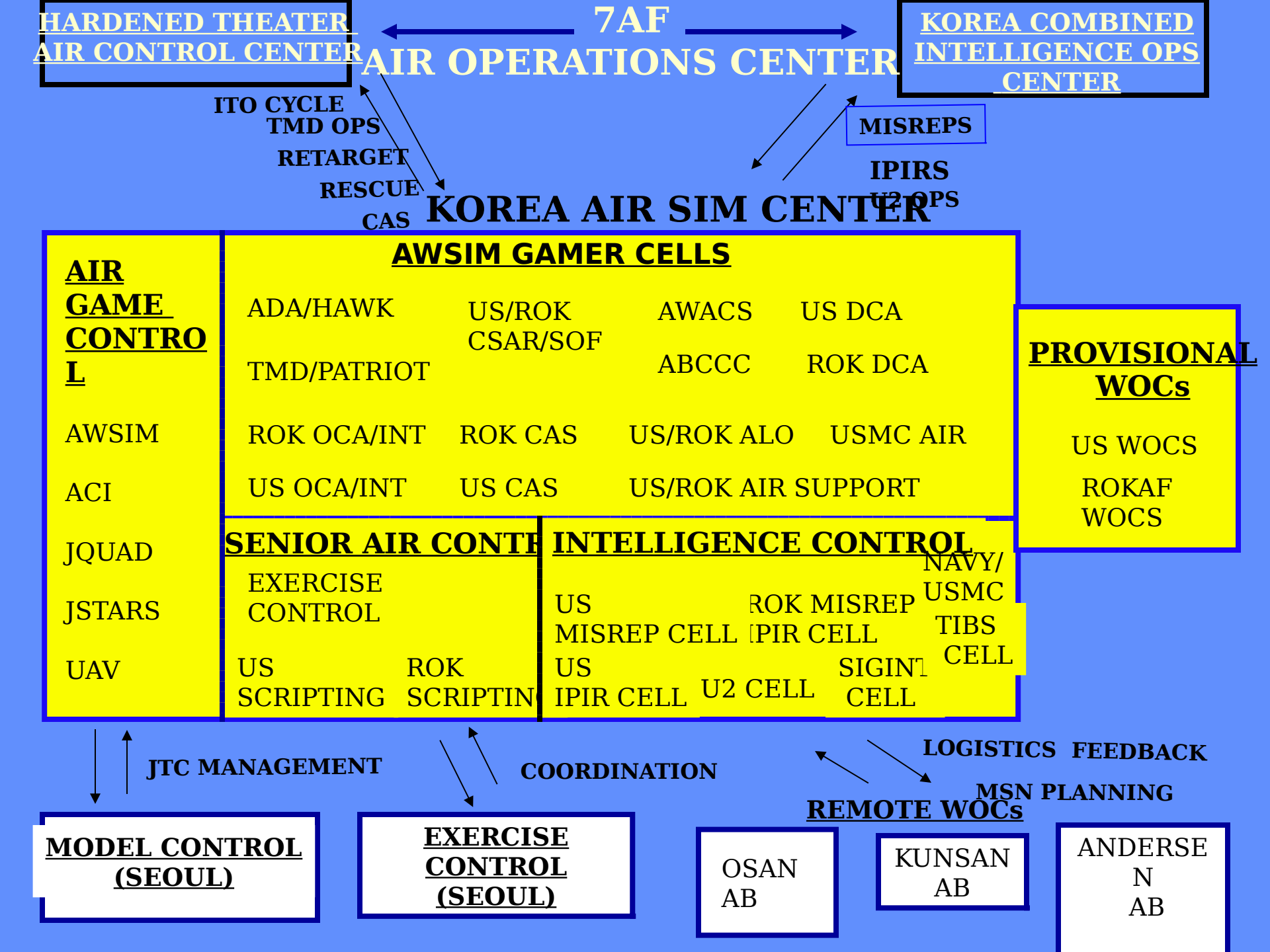
- SCOPE OF PACAF M&S-DRIVEN EXERCISES
- KOREA AIR SIMULATION CENTER--
  RESPONSE CELL ORGANIZATION
- RESPONSE CELL PROCESS FLOW--
  EXAMPLES
- M&S CONTROL MAJOR PROBLEMS/ISSUES

UFL 98 -- EXERCISE CONTROL CHALLENGE

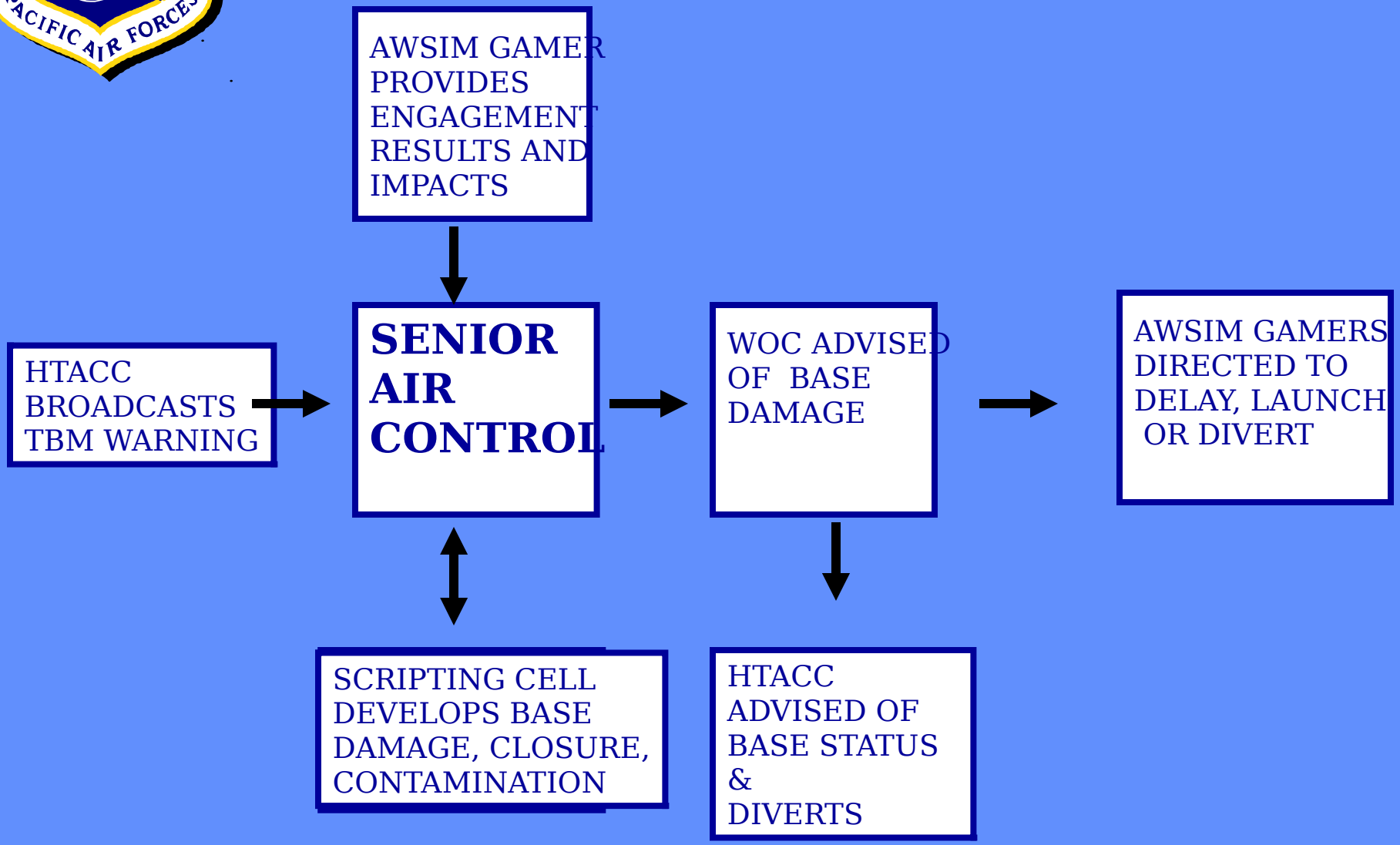


New WARGAMING CENTER

UFL 98 Aug14


HARDENED THEATER AIR CONTROL CENTER
7AF AIR OPERATIONS CENTER
KOREA COMBINED INTELLIGENCE OPS CENTER
ITO CYCLE
TMD OPS
RETARGET
RESCUE
CAS
MISREPS
IPIRS
U2 OPS
KOREA AIR SIM CENTER
AIR GAME CONTROL
AWSIM
ACI
JQUAD
JSTARS
UAV
AWSIM GAMER CELLS
ADA/HAWK
US/ROK CSAR/SOF
AWACS
US DCA
TMD/PATRIOT
ABCCC
ROK DCA
ROK OCA/INT
ROK CAS
US/ROK ALO
USMC AIR
US OCA/INT
US CAS
US/ROK AIR SUPPORT
PROVISIONAL WOCs
US WOCS
ROKAF WOCS
SENIOR AIR CONTR
EXERCISE CONTROL
US SCRIPTING
ROK SCRIPTIN
INTELLIGENCE CONTROL
US MISREP CELL
ROK MISREP
IPIR CELL
NAVY/ USMC TIBS CELL
US IPIR CELL
U2 CELL
SIGINT CELL
JTC MANAGEMENT
COORDINATION
LOGISTICS
FEEDBACK
MSN PLANNING
REMOTE WOCs
MODEL CONTROL (SEOUL)
EXERCISE CONTROL (SEOUL)
OSAN AB
KUNSAN AB
ANDERSEN AB

SENIOR AIR CONTROLLER TBM ATTACK CONTROL PROCESS


AWSIM GAMER PROVIDES ENGAGEMENT RESULTS AND IMPACTS
HTACC BROADCASTS TBM WARNING
SENIOR AIR CONTROL
WOC ADVISED OF BASE DAMAGE
AWSIM GAMERS DIRECTED TO DELAY, LAUNCH OR DIVERT
SCRIPTING CELL DEVELOPS BASE DAMAGE, CLOSURE, CONTAMINATION
HTACC ADVISED OF BASE STATUS & DIVERTS

INTELLIGENCE CELL BDA REPORTING CONTROL PROCESS

INTEL CELL

- **RECEIVES, EDITS, AND ROUTES MISREPS AND IPIRS**
- **MANAGES SHORT NOTICE COLLECTION REQUESTS**

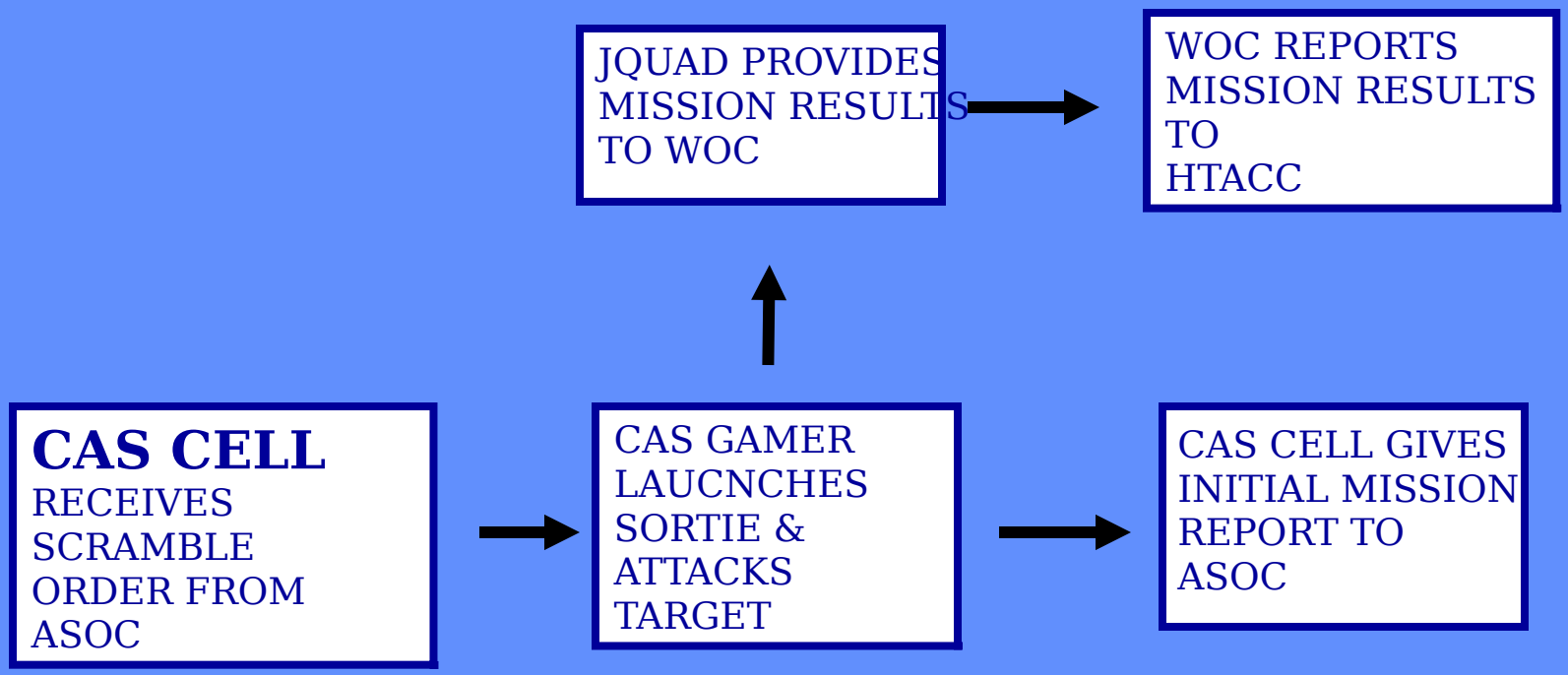
WOC RECEIVES MISREP
- EDITS AND FORWARDS TO HTACC/KCOIC

IPIRS SENT TO KCOIC AS VOICE REPORTS OR AUTODIN MSGS

AWSIM GAMER FLIES U-2, TARPS, OR RF-5 MISSIONS

JQUAD PRODUCES REPORTS
- MISREP
- IPIR

AWSIM GAMER CAS CELL
GROUND ALERT CAS CONTROL PROCE


JQUAD PROVIDES MISSION RESULTS TO WOC
WOC REPORTS MISSION RESULTS TO HTACC
CAS CELL RECEIVES SCRAMBLE ORDER FROM ASOC
CAS GAMER LAUCNCHES SORTIE & ATTACKS TARGET
CAS CELL GIVES INITIAL MISSION REPORT TO ASOC

EXERCISE CONTROL PROBLEMS/ISSUES

VERY HIGH FIDELITY REQUIRED IN UFL-- MOST DEMANDING EX
- **DETAILED, NEAR REAL -TIME BATTLE DAMAGE ASSESSMENT RE**

M&S MANPOWER
- **M&S RESPONSE CELLS AUGMENTEES HAVE LIMITED M&S EXP**
- **RATED M&S AUGMENTEES ARE DIFFICULT TO FIND**

JOINT AND COMBINED EXERCISE ENVIRONMENT
- **EXERCISE CONTROL IS COMPLICATED BY LANGUAGE BARRIER**
- **HIGHLY DISTRIBUTED EXERCISES -- EXERCISE CONTROL A CH**

EXERCISE CONTROL PROBLEMS/ISSUES

INFORMATION FLOW TO REALWORLD C4I SYSTEMS

- THOUSANDS OF MESSAGES SENT TO REAL-WORLD C4I SYSTEM
- EDITING/ROUTING BDA MESSAGES A MAJOR CHALLENGE -- AU
  INTERFACE TO REAL-WORLD COMMS ESSENTIAL

JSIMS/NASM DATA RELEASABILITY TO ALLIES MAY RAISE PROBL

- NATSIM AND TPFDD RELATED DATA WILL REQUIRE SPECIAL HA
- JSIMS ARCHITECTURE MUST CONSIDER RELEASABILITY QUEST

REAL-TIME ANALYSIS OF MODEL OUTPUT IMPORTANT

- NEED ANALYTICAL TOOL IN JSIMS TO GIVE CONTROLLER SITUATIONAL AWARENESS OF JSIMS INTERACTIONS

QUESTIONS